

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1. (currently amended) A solvated form of crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine containing a solvate, wherein the solvate is selected from the group consisting of dimethylformamide, dimethylamine, tetrahydrofuran, methyl-isobutyl-ketone, methyl-tertiary-butyl-ether, water and acetone.
2. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form B.
3. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern having peaks at about 10.3, 24.2, 25.0, 26.4 and 32.3±0.2 degrees two-theta.
4. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 3, further characterized by an X-ray powder diffraction pattern having other typical peaks at about 13.0, 15.8, 17.2, 18.5, 20.5, 21.1, 21.7, 26.1, 27.7, 29.5, and 30.9±0.2 degrees two-theta.
5. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern as in Fig. 1.
6. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form B according to claim 2, wherein the crystalline solid lamotrigine of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form B is a monosolvate of dimethylformamide.
7. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C.

8. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern having peaks at about 10.1, 10.5, 17.1, 18.4 and  $26.2 \pm 0.2$  degrees two-theta
9. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 8, further characterized by an X-ray powder diffraction pattern having other typical peaks at about 12.4, 13.1, 13.6, 14.4, 16.3, 21.6, 22.5, 23.1, 24.2, 27.8, 28.4, 32.7, 33.6, and  $34.6 \pm 0.2$  degrees two-theta.
10. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern as in Fig. 2.
11. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C according to claim 7, wherein the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C is a sesquisolvate of dimethylformamide.
12. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form D.
13. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern having peaks at about 14.1, 18.2, 15.9, 20.6 and  $30.8 \pm 0.2$  degrees two-theta.
14. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, further characterized by an X-ray powder diffraction pattern having other typical peaks at about 13.2, 14.9, 17.2, 18.0, 18.2, 19.0, 19.5, 22.7, 23.0, 23.5, 26.2, 27.0, 27.8, 28.2, 28.6, 29.0, 29.5, 31.0, 32.9 and  $33.8 \pm 0.2$  degrees two-theta.
15. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern as in Fig.

- 3.
16. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form D according to claim 12, wherein the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form D is a 2/3 solvate of dimethylformamide.
- 17-26. (canceled)
27. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form F.
28. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern having peaks at about 17.2, 18.7, 26.5, 27.0 and  $28.0 \pm 0.2$  degrees two-theta.
29. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 28, further characterized by an X-ray powder diffraction pattern having other typical peaks at about 9.7, 11.8, 12.7, 13.4, 14.6, 15.4, 20.2, 20.7, 21.3, 21.6, 22.0, 24.6, 25.1, 25.5, 28.2, 29.4, 30.1, and  $31.8 \pm 0.2$  degrees two-theta
30. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern as in Fig. 6.
31. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form F according to claim 27, wherein the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form F is a 1/3 solvate of acetone.
- 32-41. (canceled)
42. (currently amended) A crystalline solid of [lamotrigine] 6-(2,3-dichlorophenyl)-1,2,4-

triazine-3,5-diamine form K.

43. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by data selected from the group consisting of an X-ray powder diffraction pattern having peaks at about 11.2, 12.9, 17.2, 21.5 and  $22.3 \pm 0.2$  degrees two-theta.
44. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 43, further characterized by an X-ray powder diffraction pattern having peaks at about 13.5, 17.8, 18.4, 19.2, 20.4, 24.3, 25.3, 25.9, 26.7, 27.0, 28.0, 28.4, 29.0, 29.6, 30.2, 30.6, 31.4, 32.4, and  $34.7 \pm 0.2$  degrees two-theta.
45. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern as in Fig. 9.
46. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 42, wherein the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form K is a solvate of tetrahydrofuran.
47. (currently amended) A crystalline solid of [lamotrigine] 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form L.
48. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine from L, characterized by data selected from the group consisting of an X-ray powder diffraction pattern having peaks at about 12.9, 14.9, 18.2, 20.5, and  $25.8 \pm 0.2$  degrees two-theta.
49. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form L according to claim 48, further characterized by an X-ray powder diffraction pattern having peaks at about 8.3, 11.3, 11.7, 12.4, 14.1, 16.7, 17.6, 18.4, 19.0, 20.1, 21.7, 22.6, 23.6, 24.6, 26.3, 26.8, 27.8, 28.4, 28.9, 31.1, 31.9,

and  $33.3 \pm 0.2$  degrees two-theta.

50. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form L, characterized by an X-ray diffraction pattern as in Fig.10.
51. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form L according to claim 47, wherein the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form L is a monosolvate of acetone.
52. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form M.
53. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by data selected from the group consisting of an X-ray powder diffraction pattern having peaks at about 10.0, 16.5, 16.8, 25.5, and  $27.4 \pm 0.2$  degrees two-theta.
54. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 53, further characterized by an X-ray powder diffraction pattern having other typical peaks at about 9.0, 11.4, 13.0, 13.8, 15.1, 17.4, 17.8, 18.6, 21.1, 21.9, 23.8, 26.5, 27.0, 28.0, 28.6, 29.0, 30.1, 32.1, 33.1, and  $33.6 \pm 0.2$  degrees two-theta.
55. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern as in Fig. 11.
56. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form M according to claim 52, wherein the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form M is a solvate of dimethylamine.

57. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form N.
58. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern having a peak at about 11.6, 13.4, 15.0, 26.9, and  $27.7 \pm 0.2$  degrees two-theta.
59. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 58, further characterized by an X-ray powder diffraction pattern having other typical peak at about 15.9, 16.5, 19.1, 22.2, 22.4, 23.2, 23.5, 26.7, 28.6, 29.9, 30.1, 30.4, 30.7, 31.4, 31.9, 32.9, 33.3, 34.4, 35.0, and  $36.2 \pm 0.2$  degrees two-theta.
60. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern as in Fig. 12.
61. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 57, wherein the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form N is a hydrate.
- 62-66. (canceled)
67. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form P.
68. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern having peaks at about 16.1, 18.1, 18.7, and  $26.0 \pm 0.2$  degrees two-theta.
69. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern having other typical peaks at about 8.4, 9.0, 10.1, 12.1, 13.3, 19.5, 20.4, 21.8, 22.5, 24.0, 24.4, 27.4, and  $28.3 \pm 0.2$  degrees two-theta.

70. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern as in Fig. 14.
71. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 67, wherein the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form P is a monosolvate of dimethylformamide.
- 72-76. (canceled)
77. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form R.
78. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 78, further characterized by an X-ray powder diffraction pattern having peaks at about 10.9, 12.2, 21.0, 27.3, 28.6, and  $32.5 \pm 0.2$  degrees two-theta.
79. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern having peaks at about 9.2, 15.7, 19.0, 23.5, and  $25.4 \pm 0.2$  degrees two-theta.
80. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern as in Fig. 16.
81. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form R according to claim 77, wherein the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form R is a monosolvate of methyl-isobutyl-ketone.
82. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-

triazine-3,5-diamine form S.

83. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern having peaks at about 13.4 and  $18.7 \pm 0.2$  degrees two-theta.
84. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 83, further characterized by an X-ray powder diffraction pattern having other typical peaks at about 22.4, 26.0, 27.6, and  $31.3 \pm 0.2$  degrees two-theta.
85. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern as in Fig.17.
86. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form S according to claim 82, wherein the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form S is anhydrous.
87. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form U.
88. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern having peaks at about 12.4, 19.5, 28.4, and  $32.1 \pm 0.2$  degrees two-theta.
89. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 88, further characterized by an X-ray powder diffraction pattern having other typical peaks at about 11.5, 15.9, 17.9, 25.4, 25.8, and  $26.6 \pm 0.2$  degrees two-theta.
90. (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern as in Fig. 18.



91. (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form U according to claim 87, wherein the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form Q is a monosolvate of methyl tertiary-butyl ether.
92. (currently amended) A pharmaceutical composition comprising a therapeutically effective amount of at least one crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine ~~solvated-crystal~~ form selected from the group consisting of crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine forms B, C, D, F, K, L, M, N, P, R, S and U; and, a pharmaceutically acceptable excipient.
93. (currently amended) A method for treating a patient suffering from epilepsy by administering a therapeutically effective amount of at least one crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form selected from the group consisting of crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine forms B, C, D, F, K, L, M, N, P, R, S, and U.
94. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form B, comprising the steps of:
- [[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in dimethylformamide at about 70°C;
  - [[2]] b) precipitating the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form B by adding water at about 0°C; and
  - [[3]] c) filtering the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form B.
95. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C, comprising the steps of:
- [[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in dimethylformamide at about 70°C;
  - [[2]] b) precipitating the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C by adding chloroform at

about 0°C; and

[[3]] c) filtering the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C.

96. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C, comprising the steps of:
- [[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in dimethylformamide at about 70°C;
- [[2]] b) precipitating the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C by adding toluene at about 0°C; and
- [[3]] c) filtering the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C.
97. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C, comprising the steps of:
- [[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in dimethylformamide at about 70°C;
- [[2]] b) precipitating the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C by adding acetone at about 0°C; and
- [[3]] c) filtering the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C.
98. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C, comprising the steps of:
- [[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in dimethylformamide to form a solution;
- [[2]] b) stirring the solution at about 25°C for about 24 hours; and
- [[3]] c) filtering the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C.
99. (currently amended) A method of preparing a crystalline solid of lamotrigine

- 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form D, comprising the steps of:
- [[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in dimethylformamide at about 70°C;
  - [[2]] b) precipitating the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form D by adding water; and
  - [[3]] c) filtering the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form D.
100. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E, comprising the steps of:
- [[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in methanol at about 55°C;
  - [[2]] b) precipitating the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E by adding toluene at about 0°C; and
  - [[3]] c) filtering the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E.
101. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E1, comprising the steps of:
- [[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in ethanol at about 0°C;
  - [[2]] b) precipitating the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E1 by adding toluene at about 55°C, and
  - [[3]] c) precipitating the lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E1.
102. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form F, comprising the steps of:
- [[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in acetone at about 70°C;
  - [[2]] b) precipitating the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form F by adding cyclohexane at

about 0°C; and

[[3]] c) precipitating the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine by adding cyclohexane.

103. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form H, comprising the steps of:

[[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in ethanol to form a solution;

[[2]] b) stirring the solution at about 25°C for about 24 hours; and

[[3]] c) filtering the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form H.

104. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form H, comprising the steps of:

[[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in isopropanol to form a solution;

[[2]] b) heating the solution at about 65°C; and

[[3]] c) cooling the solution to about 25°C for about 5.5 hours;

[[4]] d) filtering the solution; and 5) drying the solution at about 50°C for about 17 hours at about 10 mmHg.

105. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form J, comprising the steps of:

[[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in isopropanol to form a solution;

[[2]] b) heating the solution to about 65°C;

[[3]] c) cooling the solution to about 25°C for about 5.5 hours;

[[4]] d) filtering the solution; and

[[5]] e) drying the solution at about 50°C for about 17 hours at about 10 mmHg.

106. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form K, comprising the steps of:

[[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-

1,2,4-triazine-3,5-diamine anhydrous in tetrahydrofuran to form a solution;  
[[2]] b) stirring the solution at about 25<sup>0</sup>C for about 24 hours; and  
[[3]] c) filtering the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form K.

107. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form L, comprising the steps of:

[[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in acetone to form a solution;  
[[2]] b) stirring the solution at about 25<sup>0</sup>C for about 24 hours;  
[[3]] c) concentrating the solution to dryness;  
[[4]] d) adding acetone; and  
[[5]] e) filtering the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form L.

108. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form M, comprising the steps of:

[[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in dimethylamine to form a solution;  
[[2]] b) stirring the solution at about 25<sup>0</sup>C for about 24 hours; and  
[[3]] c) filtering the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form M.

109. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form N, comprising the steps of:

[[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in water to form a solution;  
[[2]] b) stirring the solution at about 25<sup>0</sup>C for about 24 hours; and  
[[3]] c) filtering the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form N.

110. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form O, comprising the steps of:

[[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-

1,2,4-triazine-3,5-diamine anhydrous in methanol to form a solution;  
 [[2]] b) heating the solution to at about 65<sup>0</sup>C;  
 [[3]] c) cooling the solution to about 25<sup>0</sup>C for about 5.5 hours;  
 [[4]] d) filtering the solution; and  
 [[5]] e) drying the solution at about 60<sup>0</sup>C for about 17 hours at about 10 mmHg.

111. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form P, wherein the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine from P is prepared by heating crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C monosolvate at about 80<sup>0</sup>C for about 1 hour.
112. (currently amended) A method of preparing a lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine amorphous, wherein the lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine amorphous is produced by heating crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form J isopropanolate at about 80<sup>0</sup>C for about 1 hour.
113. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form Q, comprising the steps of:  
 [[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in isopropanol to form a solution;  
 [[2]] b) heating the solution at about 65<sup>0</sup>C for about 5 minutes;  
 [[3]] c) cooling the solution to room temperature; and  
 [[3]] d) filtering the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form Q.
114. (currently amended) A method of preparing a crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form R, comprising the steps of:  
 [[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in methyl-isobutyl-ketone to form a solution;  
 [[2]] b) heating the solution at about 65<sup>0</sup>C for about 5 minutes;

- [[3]] c) cooling the solution to room temperature;
- [[4]] d) stirring the solution; and
- [[5]] e) filtering the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form R.
115. (currently amended) A method of preparing crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form S, comprising the steps of:
- [[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in dimethylcarbinol to form a solution;
- [[2]] b) heating the solution at about 65<sup>0</sup>C for about 5 minutes;
- [[3]] c) cooling the solution to room temperature;
- [[4]] d) stirring the solution; and
- [[5]] e) filtering the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form S.
116. (currently amended) A method of preparing crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form U, comprising the steps of:
- [[1]] a) dissolving crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in methyl tertiary-butyl ether to form a solution;
- [[2]] b) heating the solution at about 65<sup>0</sup>C for about 5 minutes;
- [[3]] c) cooling the solution to room temperature;
- [[4]] d) stirring the solution; and
- [[5]] e) filtering the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form U.
117. (currently amended) A method for preparing crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form A, comprising the step of
- [[1]] a) heating [[a]] at least one crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine solvate selected from the group consisting of crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine forms B, C, D, F, K, L, M, N, P, R, S, and U at an elevated temperature sufficient to remove solvent from the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine solvate to

produce crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form A.

118. (canceled)
119. (currently amended) The method of claim 118, wherein the crystalline solid of ~~lamotrigine~~ 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine solvate is heated at about 110<sup>0</sup>C for about 2 hours.
120. (currently amended) The method of claim 118, wherein the crystalline solid of ~~lamotrigine~~ 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine solvate is heated at about 110<sup>0</sup>C for about 1 hour.
121. (currently amended) The method of claim 118, wherein the crystalline solid of ~~lamotrigine~~ 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine solvate is heated at about 150<sup>0</sup>C for about ½ hour.
122. (currently amended) The method of claim 120, wherein the crystalline solid of ~~lamotrigine~~ 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine solvate is crystalline solid of ~~lamotrigine~~ 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form L.
123. (currently amended) The method of claim 120, wherein the crystalline solid of ~~lamotrigine~~ 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine solvate is crystalline solid of ~~lamotrigine~~ 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form N.
- 124 (currently amended) A crystalline solid of ~~lamotrigine~~ 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E.
- 125 (currently amended) A crystalline solid of ~~lamotrigine~~ 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern having peaks at about 9.5, 11.5, 13.8, 23.2 and 26.7±0.2 degrees two-theta.
- 126 (currently amended) The crystalline solid of ~~lamotrigine~~ 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 125, further characterized by an X-ray



powder diffraction pattern having other typical peaks at about 13.0, 14.3, 14.9, 15.7, 17.9, 19.4, 20.9, 24.5, 25.6, 27.3 and  $32.2 \pm 0.2$  degrees two-theta.

- 127 (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E, characterized by an X-ray powder diffraction pattern as in Fig. 4.
- 128 (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E according to claim 124, wherein the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E is a 2/3 methanolate.
- 129 (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E1.
- 130 (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine lamotrigine, characterized by an X-ray powder diffraction pattern having peaks at about 9.6, 13.8, 15.8, 23.1 and  $26.7 \pm 0.2$  degrees two-theta.
- 131 (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 130, further characterized by an X-ray powder diffraction pattern having other typical peaks at about 11.6, 13.0, 14.4, 15.2, 16.2, 17.8, 18.9, 20.1, 21.8, 24.6, 25.6, 26.3, 27.3, 27.7, 28.8, 30.0, 30.7, 31.9, 32.3, 32.7, 34.3 and  $35.9 \pm 0.2$  degrees two-theta.
- 132 (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern as in Fig. 5.
- 133 (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E1 according to claim 129, wherein the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E1 is a 2/3 ethanolate.

- 134 (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form H.
- 135 (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern having peaks at about 9.6, 10.5, 21.8, 22.2 and  $27.5 \pm 0.2$  degrees two-theta.
- 136 (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 135, further characterized by an X-ray powder diffraction pattern having other peaks at about 12.2, 13.5, 14.7, 15.1, 16.5, 16.7, 17.0, 18.5, 19.5, 20.5, 24.0, 24.6, 25.7, 26.3, 28.4, 28.9, 29.4, 30.5, 31.1, 31.8, 33.3 and  $35.1 \pm 0.2$  degrees two-theta.
- 137 (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern as in Fig. 7.
- 138 (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form H according to claim 134, wherein the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine from H is a monosolvate of ethanol.
- 139 (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form J.
- 140 (currently amended) A crystalline crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern having peaks at about 9.5, 10.0, 20.2 and  $26.0 \pm 0.2$  degrees two-theta.
- 141 (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 140, further characterized by an X-ray powder diffraction pattern having other peaks at about 11.6 12.4, 13.7, 14.8, 15.9,

16.3, 16.6, 17.3, 18.5, 21.0, 21.3, 24.2, 24.4, 24.7, 25.0, 25.5, 26.4, 26.7, 27.8, 29.2, 30.4 and  $35.1 \pm 0.2$  degrees two-theta.

- 142 (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern as in Fig. 8.
- 143 (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form J according to claim 139, wherein the crystalline lamotrigine form J is a monosolvate of isopropanol.
- 144 (currently amended) A crystalline crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form O.
- 145 (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern having peaks at about 9.5, 13.7, 23.0, 26.7, and  $28.7 \pm 0.2$  degrees two-theta.
- 146 (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 145, further characterized by an X-ray powder diffraction pattern having other typical peaks at about 8.5, 11.4, 14.2, 15.7, 18.0, 18.9, 24.2, 25.6, 25.9, 27.7, 30.0, 30.7, 32.6, 34.3, and  $34.8 \pm 0.2$  degrees two-theta.
- 147 (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern as in Fig.13.
- 148 (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form O according to claim 144, wherein the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form O is a 2/3 methanolate.
- 149 (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-

triazine-3,5-diamine form Q.

- 150 (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern having peaks at about 12.4, 13.8, 14.1, 16.6, 17.4, 17.9, 20.0, 21.0, 23.6, 28.8 and  $30.9 \pm 0.2$  degrees 2-theta
- 151 (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine according to claim 150, further characterized by an X-ray powder diffraction pattern having other typical peaks at about 9.4, 10.0, 26.7, 27.8, and  $28.4 \pm 0.2$  degrees two-theta.
- 152 (currently amended) A crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine, characterized by an X-ray powder diffraction pattern as in Fig. 15.
- 153 (currently amended) The crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form Q according to claim 149, wherein the crystalline solid of lamotrigine 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form Q is a monosolvate of monoisopropanol.
- 154 (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form B produced by a process which comprises the steps of:
- a) dissolving a crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in dimethylformamide at about  $70^{\circ}\text{C}$ ;
  - b) precipitating the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form B by adding water at about  $0^{\circ}\text{C}$ ; and
  - c) filtering the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form B.
155. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C produced by a process which comprises the steps of:
- a) dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in dimethylformamide at about  $70^{\circ}\text{C}$ ;

- b) precipitating the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C by adding chloroform at about 0°C; and
  - c) filtering the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C.
156. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C produced by a process which comprises the steps of:
- a) dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in dimethylformamide at about 70°C;
  - b) precipitating the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C by adding toluene at about 0°C; and
  - c) filtering the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C.
157. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C produced by a process which comprises the steps of:
- a) dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in dimethylformamide at about 70°C;
  - b) precipitating the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C by adding acetone at about 0°C; and
  - c) filtering the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C.
158. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C produced by a process which comprises the steps of:
- a) dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in dimethylformamide to form a solution;
  - b) stirring the solution at about 25°C for about 24 hours; and
  - c) filtering the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C.
159. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form D, prepared by a process which comprises the steps of:
- a) dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-

- diamine anhydrous in dimethylformamide at about 70<sup>0</sup>C;
- b) precipitating the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form D by adding water; and
- c) filtering the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form D.
160. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E prepared by a process which comprises the steps of:
- a) dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in methanol at about 55<sup>0</sup>C;
- b) precipitating the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E by adding toluene at about 0<sup>0</sup>C; and
- c) filtering the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E.
161. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E1 prepared by a process which comprises the steps of:
- a) dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in ethanol at about 0<sup>0</sup>C;
- b) precipitating the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E1 by adding toluene at about 55<sup>0</sup>C, and
- c) precipitating the 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form E1.
162. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form F prepared by a process which comprises the steps of:
- a) dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in acetone at about 70<sup>0</sup>C;
- b) precipitating the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form F by adding cyclohexane at about 0<sup>0</sup>C; and
- c) precipitating the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine by adding cyclohexane.
163. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form H prepared by a process which comprises the steps of:

- a) dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in ethanol to form a solution;
  - b) stirring the solution at about 25<sup>0</sup>C for about 24 hours; and
  - c) filtering the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form H.
164. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form H prepared by a process which comprises the steps of:
- a) dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in isopropanol to form a solution;
  - b) heating the solution at about 65<sup>0</sup>C; and
  - c) cooling the solution to about 25<sup>0</sup>C for about 5.5 hours;
  - d) filtering the solution; and
  - e) drying the solution at about 50<sup>0</sup>C for about 17 hours at about 10 mmHg.
165. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form J prepared by a process which comprises the steps of:
- a) dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in isopropanol to form a solution;
  - b) heating the solution to about 65<sup>0</sup>C;
  - c) cooling the solution to about 25<sup>0</sup>C for about 5.5 hours;
  - d) filtering the solution; and
  - e) drying the solution at about 50<sup>0</sup>C for about 17 hours at about 10 mmHg.
166. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form K prepared by a process which comprises the steps of:
- a) dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in tetrahydrofuran to form a solution;
  - b) stirring the solution at about 25<sup>0</sup>C for about 24 hours; and
  - c) filtering the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form K.
167. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form L prepared by a process which comprises the steps of:

- a) dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in acetone to form a solution;
  - b) stirring the solution at about 25<sup>0</sup>C for about 24 hours;
  - c) concentrating the solution to dryness;
  - d) adding acetone; and
  - e) filtering the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form L.
168. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form M prepared by a process which comprises the steps of:
- a) dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in dimethylamine to form a solution;
  - b) stirring the solution at about 25<sup>0</sup>C for about 24 hours; and
  - c) filtering the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form M.
169. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form N prepared by a process which comprises the steps of:
- a) dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in water to form a solution;
  - b) stirring the solution at about 25<sup>0</sup>C for about 24 hours; and
  - c) filtering the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form N.
170. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form O prepared by a process which comprises the steps of:
- a) dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in methanol to form a solution;
  - b) heating the solution to at about 65<sup>0</sup>C;
  - c) cooling the solution to about 25<sup>0</sup>C for about 5.5 hours;
  - d) filtering the solution; and
  - e) drying the solution at about 60<sup>0</sup>C for about 17 hours at about 10 mmHg.
171. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form P



prepared by a process comprises the step of heating crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form C monosolvate at about 80°C for about 1 hour.

172. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form Q prepared by a process which comprises the steps of:
- dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in isopropanol to form a solution;
  - heating the solution at about 65°C for about 5 minutes;
  - cooling the solution to room temperature; and
  - filtering the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form Q.
173. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form R, prepared by a process comprises the steps of:
- dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in methyl-isobutyl-ketone to form a solution;
  - heating the solution at about 65°C for about 5 minutes;
  - cooling the solution to room temperature;
  - stirring the solution; and
  - filtering the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form R.
174. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form S prepared by a process which comprises the steps of:
- dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in dimethylcarbinol to form a solution;
  - heating the solution at about 65°C for about 5 minutes;
  - cooling the solution to room temperature;
  - stirring the solution; and
  - filtering the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form S.
175. (new) A crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form U,

- a) dissolving crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine anhydrous in methyl tertiary-butyl ether to form a solution;
- b) heating the solution at about 65<sup>0</sup>C for about 5 minutes;
- c) cooling the solution to room temperature;
- d) stirring the solution; and
- e) filtering the crystalline solid of 6-(2,3-dichlorophenyl)-1,2,4-triazine-3,5-diamine form U.